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claimed under 35 U.S.C. 120, the contents of which are fully incorporated herein by reference.

IN THE CLAIMS:

Please add the following new claim:

9. (New) A system for providing glycemic control to a subject, the system comprising:

an insulin delivery unit,

a glucose sensor,

a control unit including a processor unit

that receives glucose value readings

from the glucose sensor, executes an algorithm that predicts a glucose value at a pre-determined time in the future, compares that predicted glucose value to a pre-determined glucose value range, and determines a corrective amount of insulin to be administered when the predictive glucose value lies outside of the pre-determined glucose value range and a communication unit that transmits the corrective amount to the delivery unit.